

## Product datasheet for **RN204474**

### Tap1 (NM\_032055) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tap1 (NM_032055) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tap1
Synonyms:	Abcb2; Cim; Tap2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204474 representing NM\_032055  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGCGCACGCTGGCCGACGGCCGCTTGTCTGTCTGTGGTGGACTGGCTGCTGCTGCGGCCCC  
TGCTCCCGGAATCTTCTCCCTGTTGGTTCCCGAGGTGCCGCTGCTCCGGTCTGGGCCGTGGCTTGAG  
TCGCTGGGCTATCCTGGGACTAGGGTCCGCGGGTCTCGGGTACCAGCGGAGCCCGTGGCTGGCTG  
GCTGCTTTCAGCCGCTGGTGGCGGCTGGGTTTGGCCCTGCCTGGACTGCCTCGTTCGAAAGCTGT  
CCGCTGGGGAGCACTCCGGGAGGGTGACAACGCTGGACTGCTCCACTGGAACAGTCGTTAGATGCCTT  
CGTTCTCAGTTATGTGGCCGATTGCCCGAGCTGCCCTGTGGCACAAGTTGGGGGGCTTGGGCGCCC  
AGTGGCCACAAGGGCGCTGGAGACATGCTGTGTCGGATGCTAGGCTTCTGGACTCCAAGAAGGGGCGTC  
TCCACCTGGTTCTGGTTCTTGTATCCTCTCCTGCCTGGGAAATGGCCATTCCCTTCTCACAGGCCG  
CATCACTGACTGGATCCTCAGGATAAGACAGCCCCAGCTTCGCCCGCAACATGTGGCTCATGTGTATT  
CTTACCGTAGCCAGTACAGCGCTGGAGTTTGCAGGAGATGGAATCTACAACATCACCATGGGCCACATGC  
ACAGCCGCGTGCATGGAGAGGTGTTTCGGGCCCTCTTACCAGGAGACAGGATTTTTCTGAAGAACCC  
AACAGGTTCCATCACATCTCGGGTACTGAGGACACCTCCAACGTGTGCGAGTCCATTAGTGACAAGCTG  
AACCTGTTCTGTGGTACCTGGGGCGAGGCTGTGTCTCCTGGCCTCATGATTTGGGGTCACTTACC  
TCACTGTGGTCAACCTGCTCAGCCTGCCTCTGCTTTTCTTCTGCCAGGAGGCTGGGAAAAGTGTACCA  
GTCACTGGCAGTGAAGGTGCAGGAGTCTTAGCAAAGTCCACGCAGGTGGCCCTCGAGGCCCTGTGGCG  
ATGCCTACCGTACGGAGCTTGGCAACGAGGAGGAGGCCAGAAAGTTAGGCAGAAGTTGGAAGAAA  
TGAAGCCGCTAAACAAGAAAGAGGCCCTGGCTTACGTCACCGAAGTCTGGACCATGAGTGTCTCGGAA  
GCTGCTGAAGGTGGAAATCTGTACTCCTGGTGGCAGCTGGTGGTCCAGAGGGGCTGTGAGCAGCGCAAC  
CTCGTCTCCTTTGTTCTTACCAGCTTACGTTACCAGGGCCGTGGAGGTCTGCTCTCCATCTATCCCT  
CCATGCAGAAGTCCGTGGGCGCCTCGGAGAAAATATTGAATACCTGGACCGGACTCCCTGCTCTCCGCT  
CAGTGGCTCACTGGCACCTTAAACATGAAAGGCTCGTCAAGTCCAAGATGTCTCCTTTGCTACCCA  
AACCATCCCAACGTCCAGGTGCTCAGGGGCTGACTTTTACGCTGTATCCCGGAAGGTGACTGCCTGG  
TGGGACCAATGGGTGAGGAAGAGCACCGTGGCCGCCCTGCTGCAGAACCTGTACCAGCCACCGGGG  
CAAGGTGCTCCTGGATGGCGAGCTCCTGGTCCAGTATGATCACCCTACCTGCACACGCAGGTGGCCGA  
GTGGGACAAGAGCCACTGCTATTTGGAAGAAGTTTTCGGGAAAATATTGCCTATGGCCTGACCGGACTC  
CAACCATGGAGGAAATCACAGCTGTGGCATGGAGTCCGAGGCCACGATTTTCTCTGGATCCCTCA  
GGGCTATGACACAGAGGTAGGTGAAACTGGGAACCAGCTGTCAGGAGGTGAGCGACAGGGCGTGGCCTG  
GCTCGAGCCTTGATCCGGAAGCCACGCCTGCTTATCTTGGACGATGCCACCAGTGCCTGGATGCTGGCA  
ACCAGTACGGGTCCAGCGGCTCCTGTATGAGAGCCCCGAGTGGGCTCTCGGACGGTCTTCTGATCAC  
CCAGCAGCTCAGCCTGGCAGAGCGGGCCACCACATCCTCTTCTCAAAGAAGGCTCTGTCTGCGAGCAG  
GGCACCCACCTGCAGCTCATGGAGAGAGGGGTGTTACCGGTCCATGGTGGAGGCTCTTGGCGCTCCT  
CAGACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_032055

Insert Size: 2178 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_032055.4</a></u> , <u><a href="#">NP_114444.2</a></u>
<b>RefSeq Size:</b>	2693 bp
<b>RefSeq ORF:</b>	2178 bp
<b>Locus ID:</b>	24811
<b>Cytogenetics:</b>	20p12
<b>Gene Summary:</b>	has similarity to multidrug resistant transporters; may transport antigenic peptides across the endoplasmic reticulum membrane in preparation for MHC class I presentation [RGD, Feb 2006]